

Abstract:

The invention relates to a free-jet centrifuge (1) for the cleaning of lubricating oil, with a housing (10) with a removable cover (14), with a rotor (2) rotatably arranged in the housing (10) and with channels for feeding and removing the lubricating oil, with the rotor (2) being of split design with a drive part (3) and a dirt trapping part (4) which can each be flowed through by their own partial lubricating oil flow and which are designed with torque transmission means (6) which are engageable and disengageable, with the dirt trapping part (4) being separable from the drive part (3) and with means provided to prevent or restrict the axial mobility of the dirt trapping part (4) relative to the drive part (3), which are ineffective or detachable when the cover (14) is removed.

The free-jet centrifuge (1) according to the invention is characterized in that the drive part (3) extends from the bottom towards the top into the dirt trapping part (4) or entirely through it, that the drive part (3) comprises all parts serving for the rotatable bearing of the rotor (2) and that the drive part (3) is securely positioned against axial removal with opened cover (14).

Drawing figure for the Abstract: Figure 1